

### Construction Material

#### General

Soils are rated as sources for roadfill, topsoil, sand, and gravel. Suitability ratings of good, fair, or poor are given for soils used as a source of roadfill and topsoil. Ratings of probable and improbable are given for sand and gravel. A rating of probable means that on the basis of the available evidence, the source material is likely to be in or below the soil. A rating of improbable means that the source material is unlikely to be in or below the soil. The ratings for sand and gravel do not consider the quality of the source material because quality depends on how the source material is to be used.

#### Roadfill

Roadfill consists of soil material that is excavated from its original position and used in road embankments elsewhere. The evaluations for roadfill are for low embankments that generally are less than 6 feet in height and are less exacting in design than high embankments such as those along superhighways. The rating is given for the whole soil, from the surface to a depth of about 5 feet, based on the assumption that soil horizons will be mixed in loading, dumping, and spreading. Soils are rated as to the amount of material available for excavation, the ease of excavation, and how well the material performs after it is in place.

#### Sand

Sand as a construction material is usually defined as particles ranging in size from 0.074 mm (sieve #200) to 4.75 mm (sieve #4) in diameter. Sand is used in great quantities in many kinds of construction. Specifications for each purpose vary widely. The intent of this rating is to show only the probability of finding material in suitable quantity. The suitability of the sand for specific purposes is not evaluated. If the lowest layer of the soil contains sand, the soil is rated as a probable source regardless of thickness. The assumption is that the sand layer below the depth of observation exceeds the minimum thickness.

#### Gravel

Gravel as a construction material is defined as particles ranging in size from 4.76 mm (sieve #4) to 76 mm (3 inches) in diameter. Gravel is used in great quantities in many kinds of construction. Specifications for each purpose vary widely. The intent of this rating is to show only the probability of finding material in suitable quantity. The suitability of the gravel for specific purposes is not evaluated. If the lowest layer of the soil contains gravel, the soil is rated as a probable source regardless of thickness. The assumption is that the gravel layer below the depth of observation exceeds the minimum thickness.

#### Topsoil

The term "topsoil" has several meanings. As used here, the term describes soil material used to cover an area so as to improve soil conditions for establishment and maintenance of adapted vegetation. Generally, the upper part of the soil, which is richest in organic matter, is most desirable; however, material excavated from deeper layers is also used. In this rating, the upper 40 inches of soil material is evaluated for use as topsoil. In the borrow area, the material below 40 inches is evaluated for its suitability for plant growth after the upper 40 inches is removed. The soil properties that are used to rate the soil as topsoil are those that affect plant growth, the ease of excavation, loading, and spreading, and those that affect the reclamation of the borrow area.

See the National Soil Survey Handbook, Part 620, for criteria used in rating specific uses

**CONSTRUCTION MATERIALS****Knox and Lincoln County**

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<b>Soil name and map symbol</b>	<b>Roadfill</b>	<b>Sand</b>	<b>Gravel</b>	<b>Topsoil</b>
<b>AdB</b> ADAMS	Good.	Probable.	Improbable: too sandy.	Poor: too sandy.
<b>AdC</b> ADAMS	Good.	Probable.	Improbable: too sandy.	Poor: too sandy.
<b>AdD</b> ADAMS	Fair: slope.	Probable.	Improbable: too sandy.	Poor: slope, too sandy.
<b>AgA</b> ALLAGASH	Good.	Probable.	Probable.	Poor: area reclaim.
<b>AgB</b> ALLAGASH	Good.	Probable.	Probable.	Poor: area reclaim.
<b>AgC</b> ALLAGASH	Good.	Probable.	Probable.	Poor: area reclaim.
<b>Be</b> BEACHES	Poor: wetness.	Probable.	Improbable: too sandy.	Poor: area reclaim, excess salt, too
<b>Bg</b> BIDDEFORD	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
<b>BoB</b> BOOTHBAY	Fair: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Fair: area reclaim.

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<b>BoC</b> BOOTHBAY	Fair: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Fair: area reclaim, slope.
<b>BoD2</b> BOOTHBAY	Fair: low strength, slope, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope.
<b>Bp</b> BOROSAPRISTS	Poor: wetness.	Improbable: excess humus.	Improbable: excess humus.	Poor: excess humus, wetness.
<b>BsB</b> BRAYTON	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
<b>BtB</b> BRAYTON	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
<b>BuB</b> BUXTON	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
<b>BuC</b> BUXTON	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
<b>BuD2</b> BUXTON	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, too clayey.
<b>Ch</b> CHARLES	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: wetness.

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<b>Dp</b> DUMPS	Limitation: variable.	Limitation: variable.	Limitation: variable.	Limitation: variable.
PITS	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock.
<b>EgB</b> ELDRIDGE	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: thin layer.
<b>HeB</b> HERMON	Fair: large stones.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>HeC</b> HERMON	Fair: large stones.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>HtB</b> HERMON	Fair: large stones.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>HtC</b> HERMON	Fair: large stones.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>HtD</b> HERMON	Fair: large stones, slope.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>HxB</b> HERMON	Fair: large stones.	Probable.	Probable.	Poor: area reclaim, small stones, too

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<b>HxC</b> HERMON	Fair: large stones.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>Le</b> LOVEWELL	Fair: wetness.	Probable.	Improbable: too sandy.	Fair: area reclaim, too sandy.
<b>LmB</b> LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.
BRAYTON VARIANT	Poor: depth to rock, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, wetness.
ROCK OUTCROP	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock.
<b>LrB</b> LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.
ROCK OUTCROP	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock.
TUNBRIDGE	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>LrC</b> LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.

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<b>LrC</b>				
ROCK OUTCROP	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock.
<b>LrE</b>				
TUNBRIDGE	Poor: area reclaim.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>LYMAN</b>				
LYMAN	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope, small stones.
<b>ROCK OUTCROP</b>				
ROCK OUTCROP	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope.
<b>TUNBRIDGE</b>				
TUNBRIDGE	Poor: area reclaim, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
<b>MaB</b>				
MADAWASKA	Fair: wetness.	Probable.	Improbable: too sandy.	Fair: small stones, thin layer.
<b>MrB</b>				
MARLOW	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>MrC</b>				
MARLOW	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>MrD</b>				
MARLOW	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.

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<b>MsB</b> MARLOW	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>MsC</b> MARLOW	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>MsD</b> MARLOW	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
<b>MtB</b> MARLOW	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
BERKSHIRE	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
<b>MtC</b> MARLOW	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
BERKSHIRE	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
<b>MwB</b> MARLOW	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
BERKSHIRE	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.

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<b>MwC</b> MARLOW	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
BERKSHIRE	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>MwD</b> MARLOW	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
BERKSHIRE	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
<b>MxB</b> MASARDIS	Good.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>MxC</b> MASARDIS	Good.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>MxD</b> MASARDIS	Fair: slope.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>My</b> MEDOMAK	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: wetness.
<b>Na</b> NAUMBURG	Poor: wetness.	Probable.	Improbable: too sandy.	Poor: too sandy, wetness.



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<b>Soil name and map symbol</b>	<b>Roadfill</b>	<b>Sand</b>	<b>Gravel</b>	<b>Topsoil</b>
<b>PaB</b> PERU	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>PaC</b> PERU	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>PbB</b> PERU	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>PbC</b> PERU	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>Pg</b> PITS	Good.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>Rc</b> ROCK OUTCROP	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope.
<b>RmC</b> ROCK OUTCROP	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock.
LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.
<b>RmE</b> ROCK OUTCROP	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope.

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<b>RmE</b>				
LYMAN	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope, small stones.
<b>Sc</b>				
SCANTIC	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
<b>Sp</b>				
SEARSPORT	Poor: wetness.	Probable.	Probable.	Poor: area reclaim, too sandy, wetness.
<b>StB</b>				
SHEEPSCOT	Fair: wetness.	Probable.	Probable.	Poor: area reclaim, small stones, too
<b>Su</b>				
SULFIHEMISTS	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess humus, excess salt, wetness.
SULFAQUENTS	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess salt, wetness.
<b>Sw</b>				
SWANVILLE	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: wetness.
<b>TrB</b>				
TUNBRIDGE	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, depth to rock, small

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<b>TrC</b>				
TUNBRIDGE	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, depth to rock, small
<b>TrD</b>				
TUNBRIDGE	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope, small stones.
<b>Ud</b>				
UDORTHENTS	Limitation: variable.	Limitation: variable.	Limitation: variable.	Limitation: variable.
URBAN LAND	Limitation: variable.	Limitation: variable.	Limitation: variable.	Limitation: variable.